

CLAIMS

1. A composition comprising an enzyme, a source of lactate ions and a source of zinc ions and/or a source of ammonium ions.
2. A composition according to claim 1, wherein the enzyme is in hydrated condition.
3. A composition according to claim 1 or 2, wherein the source of ammonium ions comprises ammonium sulphate or 2-acrylamido-2-methyl propanesulphonic acid, ammonium salt (ammonium AMPS).
4. A composition according to any one of the preceding claims, wherein the source of zinc ions is any compound capable of releasing zinc ions or zinc-containing ions in water.
5. A composition according to any one of the preceding claims, wherein the source of lactate ions is any compound capable of releasing lactate ions or lactate-containing ions in water.
6. A composition according to any one of the preceding claims, wherein the source of zinc ions and source of lactate ions is zinc lactate.
7. A composition according to claim 6, wherein the source of zinc ions and source of lactate ions is zinc L-lactate.
8. A composition according to any one of the preceding claims, wherein the composition additionally comprises one or more ingredients selected from sugar alcohols, proteins and neutral water-soluble polymers.
9. A composition according to claim 8, wherein the composition additionally comprises a source of proteins.

10. A composition according to any one of the preceding claims, wherein the composition is sterilised by irradiating the composition with sterilising radiation.
11. A composition according to claim 10, wherein the sterilising radiation is gamma radiation.
12. A composition according to any one of the preceding claims, wherein the enzyme comprises an oxidase.
13. A composition according to claim 12, wherein the oxidase comprises glucose oxidase.
14. A composition according to claim 12 or 13, including zinc lactate.
15. A composition according to claim 12 or 13, including sodium lactate and ammonium AMPS.
16. A composition according to any one of claims 1 to 11, wherein the enzyme comprises catalase.
17. A composition according to any one of claims 1 to 11, wherein the enzyme comprises lactoperoxidase.
18. A method of stabilising an enzyme in a composition during exposure to sterilising radiation by bringing the enzyme into contact with a source of zinc ions and/or a source of ammonium ions and a source of lactate ions.
19. A product comprising a composition in accordance with any one of claims 1 to 17.

20. A product according to claim 19, wherein the product is a skin treatment product and the enzyme is an oxidase.
21. A product according to claim 20, wherein the skin treatment product is a skin dressing.
22. A product according to claim 21, wherein the dressing includes one or more hydrated hydrogels.
23. A product according to claim 22, wherein the oxidase enzyme, source of zinc ions and/or a source of ammonium ions and source of lactate ions are present in one or more hydrated hydrogels.
24. A product according to any one of claims 20 to 23, including a source of substrate for the oxidase enzyme.
25. A product according to claim 24, wherein the substrate is located in a hydrated hydrogel.